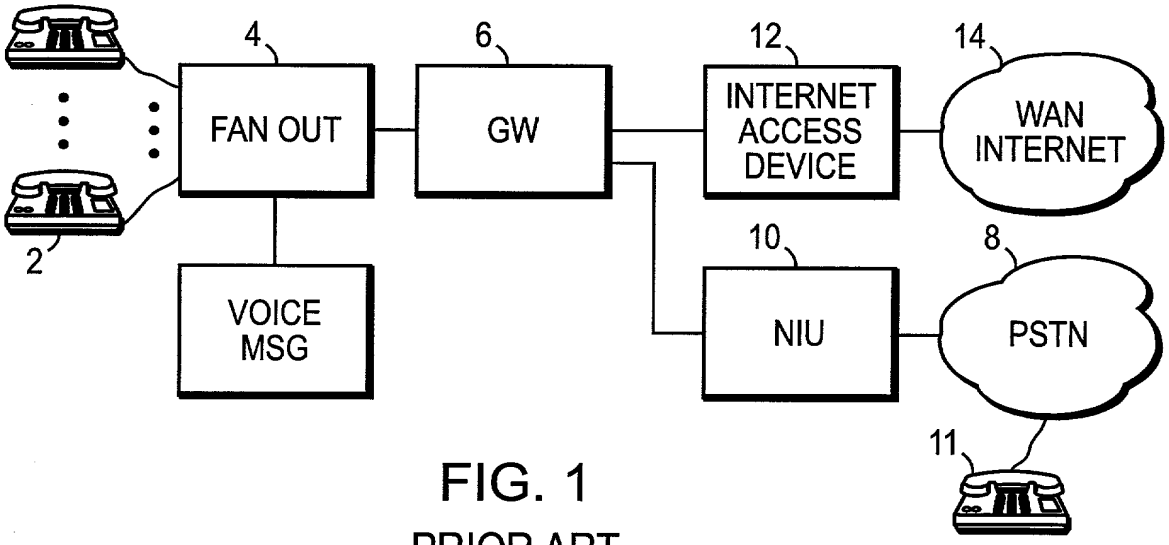

FIG. 1
PRIOR ART

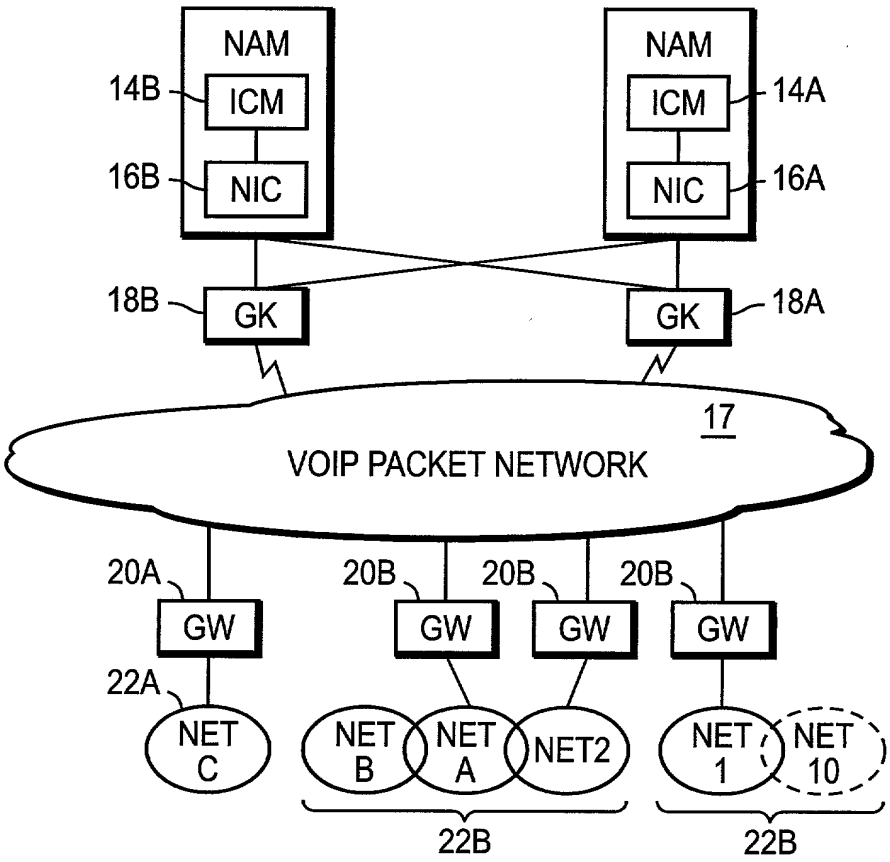

FIG. 2

MSG	MEANING	H.225 RAS		GKTMP-NAM	
		GK Tx?	GK Rcv?	NAM Tx?	NAM Rcv?
ACF	ADMISSIONS CONFIRM	✓		✓	
ARJ	ADMISSIONS REJECT	✓		✓	
ARQ	ADMISSIONS REQUEST		✓		✓
BCF	BANDWIDTH CONFIRM	✓	✓	✓	
BRJ	BANDWIDTH REJECT	✓	✓	✓	
BRQ	BANDWIDTH REQUEST	✓	✓		✓
DCF	DISENGAGE CONFIRM	✓	✓		
DRJ	DISENGAGE REJECT	✓	✓		
DRQ	DISENGAGE REQUEST	✓	✓		✓
GCF	GATEKEEPER CONFIRM	✓			
GRJ	GATEKEEPER REJECT	✓			
GRQ	GATEKEEPER REQUEST[16]		✓		
IACK	INFO REQUEST ACK	✓			
INAK	INFO REQUEST NEG ACK	✓			
IRQ	INFO REQUEST	✓			
IRR	INFO REQUEST RESPONSE		✓		
LCF	LOCATION CONFIRM	✓	✓	✓	✓
LRJ	LOCATION REJECT	✓	✓	✓	✓
LRQ	LOCATION REQUEST	✓	✓		✓
NSM[18]	NON-STANDARD MESSAGE	✓	✓		
RAC	RESOURCE AVAIL CONFIRMATION	✓			
RAI	RESOURCE AVAIL INDICATION		✓		✓
RCF	REGISTRATION CONFIRM	✓		✓	
RIP	REQUEST IN PROGRESS	✓	✓	✓	
RRJ	REGISTRATION REJECT	✓		✓	
RRQ	REGISTRATION REQUEST		✓		✓
UCF	UNREGISTRATION CONFIRM	✓	✓		
URJ	UNREGISTRATION REJECT	✓	✓		
URQ	UNREGISTRATION REQUEST	✓	✓		✓
XRS[20]	UNKNOWN MSG RESPONSE	✓	✓		
--	TRIGGER REGISTER[21] REQUEST			✓	
	TRIGGER REGISTER RESPONSE				✓
--	TRIGGER UNREGISTER			✓	
	TRIGGER UNREGISTER RESPONSE				✓

34
32
30

FIG. 3

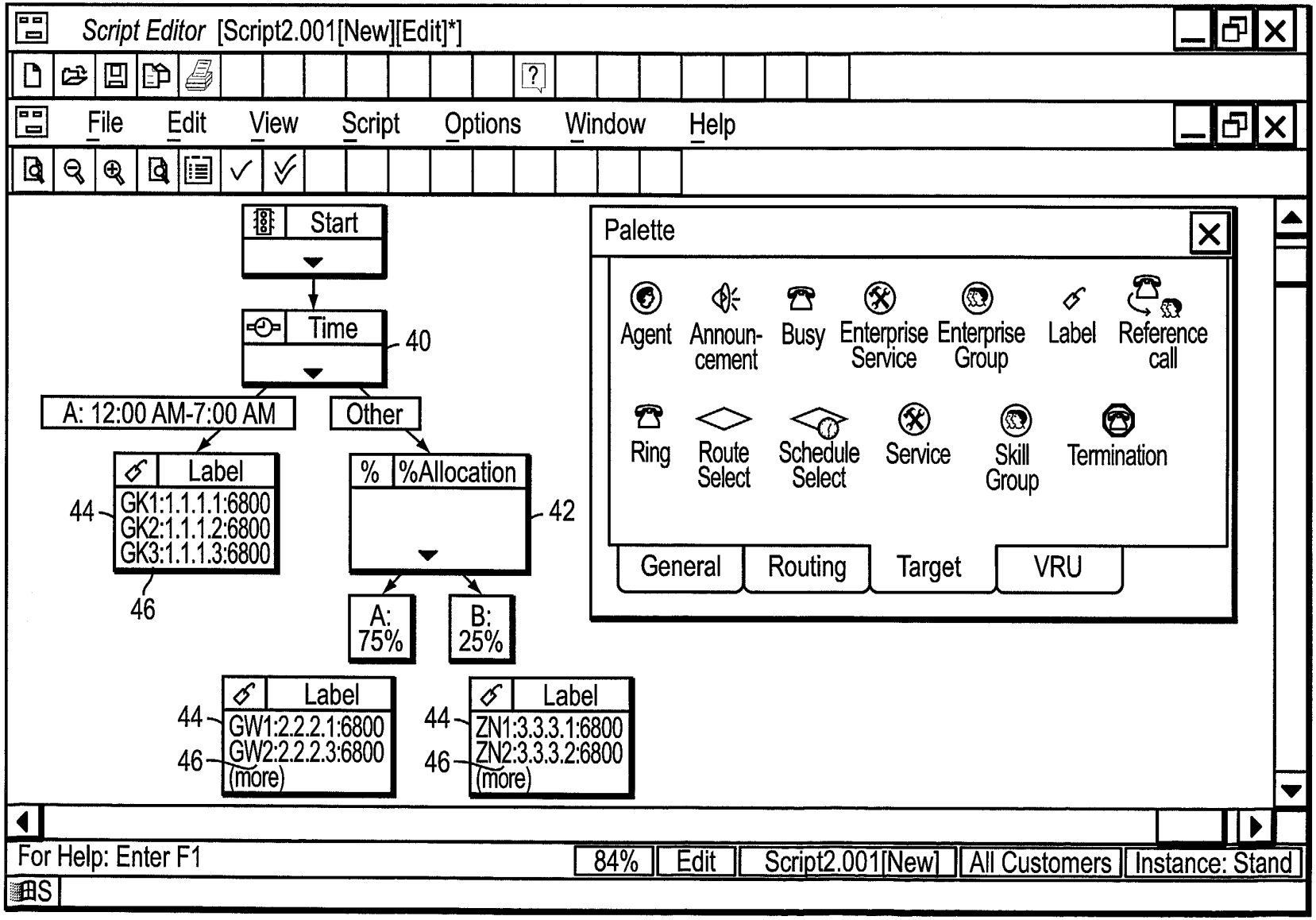
Script Editor [Script2.001[New][Edit]*]
File Edit View Script Options Window Help
Start
Time
40
A: 12:00 AM-7:00 AM
Other
Label
GK1:1.1.1.1:6800
GK2:1.1.1.2:6800
GK3:1.1.1.3:6800
44
46
% %Allocation
42
A: 75%
B: 25%
Label
GW1:2.2.2.1:6800
GW2:2.2.2.3:6800
(more)
Label
ZN1:3.3.3.1:6800
ZN2:3.3.3.2:6800
(more)
Palette
Agent
Announ-cement
Busy
Enterprise Service
Enterprise Group
Label
Reference call
Ring
Route Select
Schedule Select
Service
Skill Group
Termination
General
Routing
Target
VRU
For Help: Enter F1
84%
Edit
Script2.001[New]
All Customers
Instance: Stand

FIG. 4

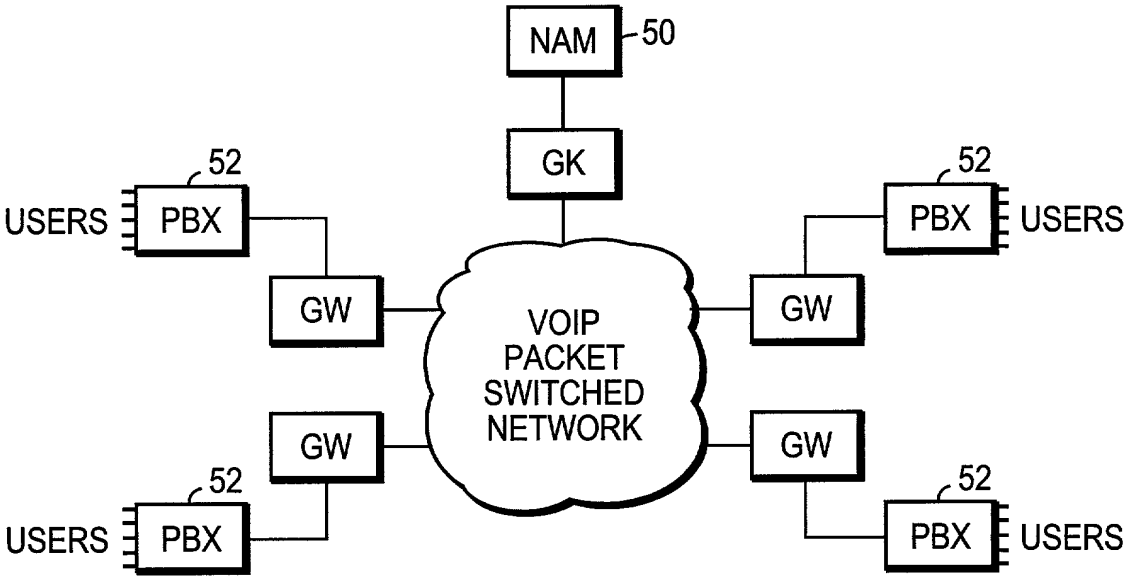
NAM
50
GK
52
USERS
PBX
GW
VOIP
PACKET
SWITCHED
NETWORK
GW
52
PBX
USERS
GW
GW
52
USERS
PBX
52
PBX
USERS

FIG. 5

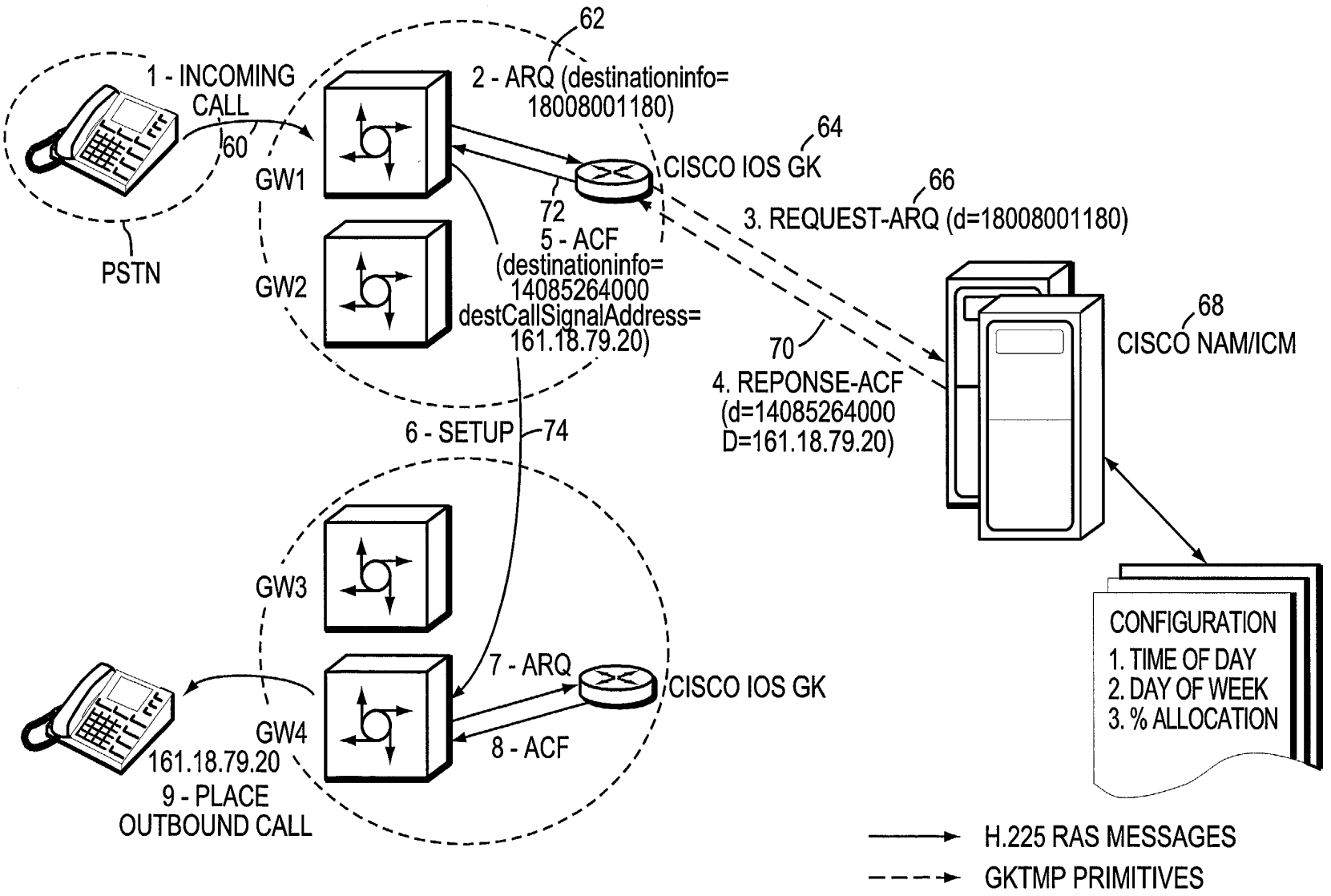
62
1 - INCOMING CALL
60
2 - ARQ (destinationinfo= 18008001180)
64
CISCO IOS GK
66
3. REQUEST-ARQ (d=18008001180)
GW1
GW2
PSTN
72
5 - ACF (destinationinfo= 14085264000 destCallSignalAddress= 161.18.79.20)
70
4. REPONSE-ACF (d=14085264000 D=161.18.79.20)
68
CISCO NAM/ICM
6 - SETUP
74
GW3
7 - ARQ
CISCO IOS GK
GW4
8 - ACF
161.18.79.20
9 - PLACE OUTBOUND CALL
CONFIGURATION
1. TIME OF DAY
2. DAY OF WEEK
3. % ALLOCATION
H.225 RAS MESSAGES
GKTMP PRIMITIVES

FIG. 6

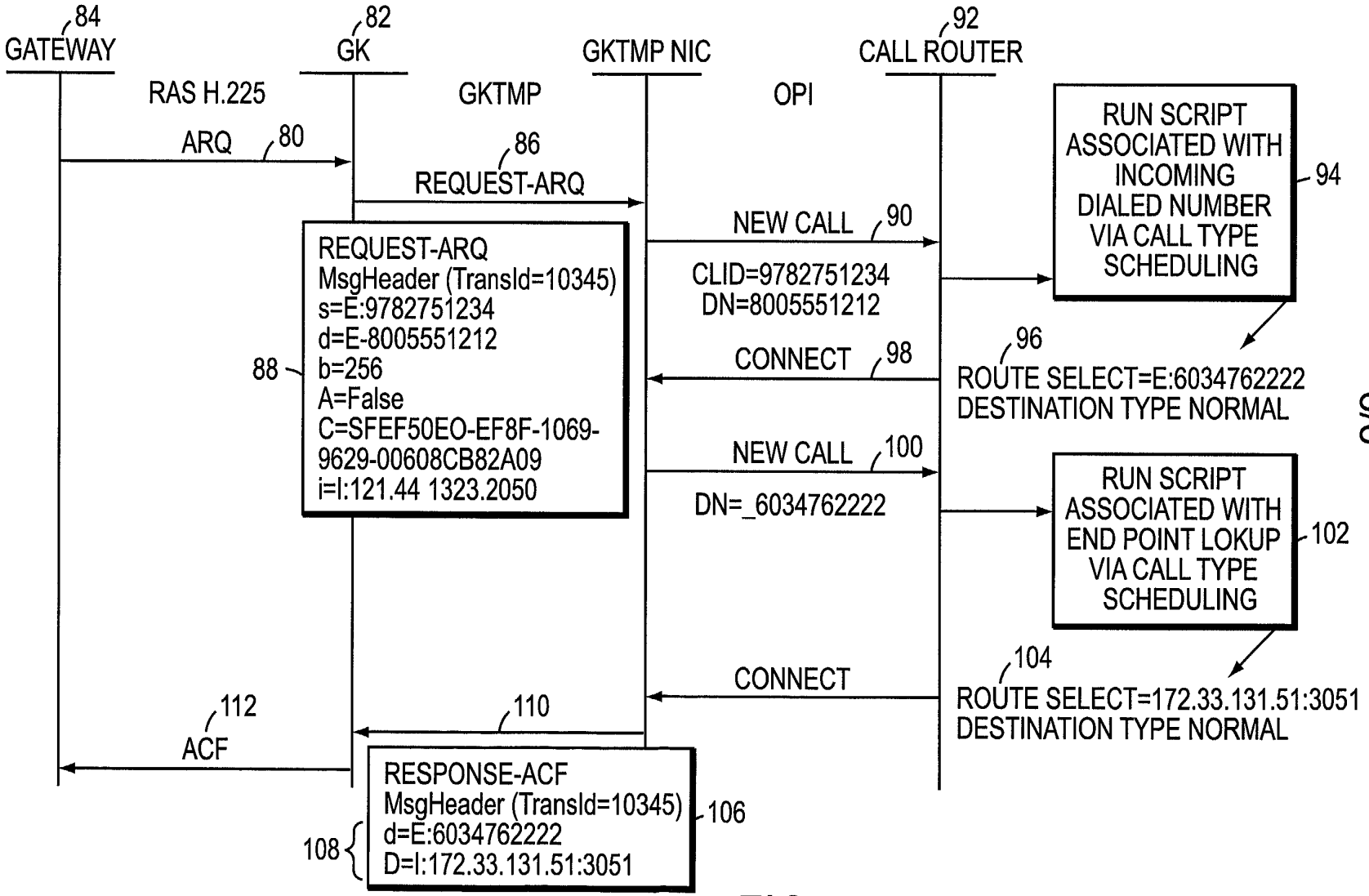
84
GATEWAY
82
GK
GKTMP NIC
92
CALL ROUTER
RAS H.225
GKTMP
OPI
ARQ
80
86
REQUEST-ARQ
NEW CALL
90
RUN SCRIPT ASSOCIATED WITH INCOMING DIALED NUMBER VIA CALL TYPE SCHEDULING
94
CLID=9782751234
DN=8005551212
REQUEST-ARQ
MsgHeader (TransId=10345)
s=E:9782751234
d=E-8005551212
b=256
A=False
C=SFEF50EO-EF8F-1069-9629-00608CB82A09
i=I:121.44 1323.2050
88
CONNECT
98
96
ROUTE SELECT=E:6034762222
DESTINATION TYPE NORMAL
NEW CALL
100
DN=_6034762222
RUN SCRIPT ASSOCIATED WITH END POINT LOKUP VIA CALL TYPE SCHEDULING
102
CONNECT
104
ROUTE SELECT=172.33.131.51:3051
DESTINATION TYPE NORMAL
112
ACF
110
RESPONSE-ACF
MsgHeader (TransId=10345)
d=E:6034762222
D=I:172.33.131.51:3051
106
108

FIG. 7